



# PROCOR CHEMICALS, INC.

## Safety Data Sheet

### PRO I

#### SECTION 1 – IDENTIFICATION

Product Trade Name .....PRO I  
 Generic Description .....Sulfamic Acid

Manufacturer/Supplier .....ProcCor Chemicals  
 Address .....P.O. Box 81356, Lafayette, LA 70598  
 Phone Number .....866-960-1326  
 Emergency Number .....1-800-424-9300 (Chemtrec)  
 Revised Date .....12-20-18

NFPA/HMIS RATINGS  
 DEGREE OF HAZARD  
 Health 3/3 4 = Severe  
 Flammability 0/0 3 = Serious  
 Flammability 0/0 3 = Serious  
 Reactivity 0/0 2 = Moderate  
 PPE H/H 1 = Slight

#### SECTION 2 – HAZARD IDENTIFICATION

**Emergency Overview: Corrosive, causes burns**

**HMIS RATING:**

Health 3  
 Flammability 0  
 Reactivity 0  
 PPE H

**NFPA RATING:**

Health 3  
 Flammability 0  
 Reactivity 0  
 PPE H



**Signal word (GHS-US):** Warning

**Hazard statements (GHS-US):** H320, may cause eye irritation; H335, may cause respiratory irritation; H316, may cause mild skin irritation.

**Precautionary statements (GHS-US):** (P281)

use personal protective equipment as required; P285, in case of inadequate ventilation, wear respiratory protection.

#### SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	CAS Number	SARA 313
Sulfamic Acid	5329-14-6	H3N036

#### SECTION 4 – FIRST AID MEASURES

**Oral Exposure:** If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately. Do not induce vomiting.

**Inhalation Exposure:** If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

**Dermal Exposure:** In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a physician.

**Eye Exposure:** In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.



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#### SECTION 5 – FIRE FIGHTING MEASURES

**Auto ignition Temp:** N/A

**Extinguishing Media:**

**Suitable:** Carbon dioxide dry chemical, powder, or appropriate foam.

**Firefighting:**

**Protective Equipment:** Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Specific Hazard(s):** Emits toxic fumes under fire conditions.

#### SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Procedure to be followed in Case of Leak or Spill:**

Evacuate area.

**Procedure(s) of Personal Precaution(s):**

Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

**Methods for Cleaning Up:**

Sweep up, place in a bag and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

#### SECTION 7 – HANDLING AND STORAGE

**Handling**

**User Exposure:**

Do not breathe dust. Do not get in eyes, on skin, or clothing. Avoid prolonged or repeated exposure.

**Storage**

**Suitable:**

Keep tightly closed. Store in a cool dry place.



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#### SECTION 8 – EXPOSURE CONTROLS/PPE

**Engineering Controls:** Safety shower and eye bath. Use only in a chemical fume hood.

#### Personal Protective Equipment

**Respiratory:**  NIOSH/MSHA approved respirator.

**Hand:**  Compatible chemical-resistant gloves.

**Eye:**  Chemical safety goggles.

**General Hygiene Measures:** Wash contaminated clothing before reuse. Discard contaminated shoes. Wash thoroughly after handling.

#### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

#### Appearance

<b>Odor Threshold:</b>	N/A
<b>Color: White Volatile %:</b>	N/A
<b>Form: Fine crystals VOC Content:</b>	N/A
<b>Molecular Weight: 97.09 AMU Water Content:</b>	N/A
<b>PH: N/A Solvent Content:</b>	N/A
<b>BP/BP Range: N/A Evaporation Rate:</b>	N/A
<b>MP/MP Range: 215-225 C Viscosity:</b>	N/A
<b>Freezing Point: N/A Partition Coefficient:</b>	N/A
<b>Vapor Pressure: N/A Decomposition Temp.:</b>	N/A
<b>Vapor Density: N/A Flash Point F:</b>	N/A
<b>Saturated Vapor Conc.: N/A Flash Point C:</b>	N/A
<b>SG/Density: 2.151 g/cm<sup>3</sup> Explosion Limits:</b>	N/A
<b>Bulk Density:</b>	N/A
<b>Auto ignition Temp:</b>	N/A
<b>Solubility:</b>	N/A

#### SECTION 10 – STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Materials to Avoid:</b>	Strong oxidizing agents. Strong bases.
<b>Hazardous Decomposition Products:</b>	Sulfur oxides.
<b>Hazardous Polymerization:</b>	Will not occur.



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#### SECTION 11 – TOXICOLOGICAL INFORMATION

##### Route of Exposure

###### Skin Contact:

Causes burns.

###### Skin Absorption:

May be harmful if absorbed through the skin.

###### Eye Contact:

Causes burns.

**Inhalation:** May be harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

###### Ingestion:

May be harmful if swallowed.

##### Signs and Symptoms of Exposure:

Inhalation may result in SPESIT, inflammation and edema of the larynx and Bronchi, chemical pneumonitis, and pulmonary edema. Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

RTECS Number: W05950000

##### Toxicity Data

<b>Ora-Rat:</b>	3,160 mg/kg (LD50)
<b>Ora-Mouse:</b>	1,312 mg/kg (LD50)
<b>Remarks:</b>	Behavioral: Altered sleep time (including change in righting reflex).
<b>Behavioral:</b>	Excitement.
<b>Behavioral:</b>	Rigidity (includes catalepsy).
<b>Ora-Guinea pig:</b>	1,050 mg/kg (LD50)
<b>Remarks:</b>	Behavioral: Altered sleep time (including change in righting reflex)
<b>Behavioral:</b>	Excitement.
<b>Behavioral:</b>	Rigidity (includes catalepsy).

##### Irritation Data

<b>Skin:</b>	Human: 4% 5D
<b>Remarks:</b>	Mild irritation effect
<b>Skin:</b>	Rabbit: 500 mg 24H
<b>Remarks:</b>	Severe irritation effect
<b>Eyes:</b>	Rabbit: 20 mg
<b>Remarks:</b>	Moderate irritation effect
<b>Eyes:</b>	Rabbit: 0.25 mg 24H
<b>Remarks:</b>	Severe irritation effect



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#### SECTION 12 - ECOLOGICAL INFORMATION

No data available.

#### SECTION 13 - DISPOSAL CONSIDERATIONS

Appropriate Method of Disposal of Substance or Preparation: Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

#### SECTION 14 - TRANSPORT INFORMATION

##### DOT

**Proper Shipping Name:** Sulfamic acid  
**UN#:** 2967  
**Class:** 8  
**Packing Group:** Packing Group III  
**Hazard Label:** Corrosive  
**PIH:** Not PIH

##### IATA

**Proper Shipping Name:** Sulphamic Acid  
**IATA Number:** 2967  
**Hazard Class:** 8  
**Packing Group:** III



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#### SECTION 15 - REGULATORY INFORMATION

##### EU Directives Classification

<b>Symbol of Danger:</b>	X
<b>Indication of Danger:</b>	Irritant

**Risk Statements:** R: 36/38 52/53 Irritating to eyes and skin. Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.

**Safety Statements:** S: 26 28 61 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap suds. Avoid release into the environment. Refer to special instructions/safety data sheets.

##### US Classification and Label Test

<b>Indication of Danger:</b>	Corrosive
<b>Risk Statements:</b>	Causes burns

**Safety Statements:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves, and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

##### United States Regulatory Information

<b>SARA Listed:</b>	No
<b>TSCA Inventory Item:</b>	Yes

##### Canada Regulatory Information

**WHMIS Classification:** This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

##### DISCLAIMER:

All information and recommendations concerning product is based on tests and data believed to be reliable; however it is the user's responsibility to determine the safety, toxicity and suitability for the user's own use of the product described herein. Since the actual use by others is beyond our control, no guarantee expressed or implied is made by PROCOR CHEMICALS. Nor is the information herein to be construed as absolutely complete since additional information may be necessary or desirable when particular conditions exist or because of applicable laws or government regulations.

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